

REMARKS

INTRODUCTION:

In accordance with the foregoing, claims 1, 2, 3, 10, 11, 17 and 18 have been amended to clarify the recitations.

Claims 1-18 are pending and under consideration. Claims 1, 2, 10, and 18 are independent claims. Reconsideration is respectfully requested.

ALLOWABLE SUBJECT MATTER:

Claims 8, 14, 16 and 17 are objected to but are indicated as allowable if rewritten in independent form. Applicants will hold the rewriting of these claims in abeyance until the arguments presented herein have been considered.

OBJECTION TO THE DRAWINGS:

The Office Action objected to the drawings requesting correction of FIGS. 2 and 3. In response, replacement figures are submitted herewith and therefore the outstanding drawing objections should be resolved. Reconsideration and withdrawal of the outstanding objections to the drawings are respectfully requested.

REJECTIONS UNDER 35 U.S.C. §112:

Claims 3, 8, 11 and 16-18 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. The rejections are traversed and reconsideration is requested.

The claims have been amended to address the rejections and to clarify the recitations. Accordingly, it is respectfully requested these rejections be withdrawn.

REJECTIONS UNDER 35 USC 102:

Claims 1, 2, 3, 5, 6 and 9 stand rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 7,054,169 to Huh et al. ("Huh"). The rejections are respectfully traversed.

Amended independent claim 1 recites at least the following:

driving a pulse width modulation-integrated circuit (PWM-IC) of the power switching unit using the AC power in response to determining that provision of the DC power to the electronic

machine is requested;

Huh fails to suggest or disclose at least all of the above-recited features. The Office Action asserts that the above-recited features are described at FIG. 5 via BR310, transformer L310 and switch MOS330, and at col. 10, lines 34-65 of Huh. Applicants respectfully disagree with this assertion.

MOS330 is described in Huh as a general MOSFET switching transistor (col. 9, lines 16-20). This is not the same as a PWM-IC and in fact Huh fails to even mention a PWM-IC, let alone all of the above-recited features. If the rejection is to be maintained, Applicants respectfully disagree that any future Office Actions provide an exact description including a reference number of where a PWM-IC is illustrated in Huh.

Accordingly, Applicants respectfully submit that independent claim 1 patentably distinguishes over Huh, and should be allowable for at least the above-mentioned reasons. Since similar features recited by independent claim 2, with potentially differing scope and breadth, are not suggested or disclosed by Huh, the rejection should be withdrawn and claim 2 also allowed.

Further, Applicants respectfully submit that claims 3-8 and 9, which variously depend from independent claims 1 and 2, should be allowable for at least the same reasons as claims 1 and 2, as well as for the additional features recited therein.

Claims 2, 4, 7, 10, 11, 12, 13 and 15 stand rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 5,961,647 to Kim et al. ("Kim").

Amended independent claim 10 recites at least the following:

"a pulse width modulation-integrated circuit (PWM-IC) driven by the AC power"

Kim fails to suggest or disclose at least all of the above-recited features. The Office Action asserts that the above-recited features are illustrated at item 40 of FIG. 3. Applicants respectfully disagree.

In contrast with the above-recited features, reference item 40 of Fig. 3 illustrates a PWM-IC driven by rectified, rather than AC power. For example, Kim states at col. 6, lines 45-52:

"In a power supply circuit as described above, alternating current AC power supply V_{in} applied at input terminals is rectified by rectifier circuit 10, and then applied to an input terminal of first primary windings of transformer 20. A voltage supply rectified is voltage-dropped by serially connected resistors R_1 and R_2 and is

applied to a driving voltage input terminal Vcc of pulse width modulation integrated circuit PWM-IC 40 so as to enable an operational function thereof"

Accordingly, Applicants respectfully submit that amended independent claim 10 patentably distinguishes over Kim, and should be allowable for at least the above-mentioned reasons. Further, claims 11-17, which depend from claim 10, should be allowable for at least the same reasons as claim 10, as well as for the additional features recited therein.

Dependent claim 7 recites at least the following:

"wherein the power supply control unit transmits a signal to stop operation of the PWM-IC when the power supply control unit does not receive a request from the host to provide DC power to the electronic machine within a predetermined period of time."

Kim fails to suggest or disclose at least all of the above-recited features. The Office Action asserts that the above-recited features are described at col. 10, lines 18-65 of Kim.

Applicants respectfully disagree. Kim states at col. 10, lines 47-53:

When powered off, microcomputer MPU generates substantially equal to a zero potential level since no power supply is transmitted via signal cable 300. Consequently, photocoupler OPT and power supply control switching transistor Q2 become turned off, turning off an operation of pulse width modulation integrated circuit PWM-IC 40, thereby disabling power circuit in a monitor.

Thus, Kim describes turning off an operation of the PWM-IC when the micromputer MPU is powered off. However, Kim fails to mention here or in any of the cited portions transmitting a signal to stop operation of the PWM-IC within a predetermined period of time, let alone all of the above-recited features.

Accordingly, Applicants respectfully submit that dependent claim 7 patentably distinguishes over Kim, and should be allowable for at least the above-mentioned reasons. Since similar features recited by dependent claim 15, with potentially differing scope and breadth, are not taught or disclosed by Kim, the rejection should be withdrawn and claim 15 also allowed.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

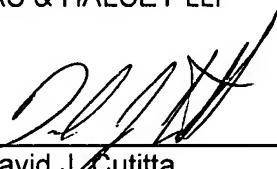
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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